

PA3M167EBL = (Flanged) Black/White

PA3M167EBTL = (Trimless) Black

PA3M167EWL = (Flanged) White

PA3M167EWTL = (Trimless) White

Add a "1" for 120v or "2" for 277v at the end of the catalog number for voltage

Ceiling Cutout: 16 1/16" L X 6 3/16" W

## Ordering Information: MR 16 Series A

Cat. No.	Lamp	Ceiling Trim	Aperture Finish
PA3M167EBL	(3) 75W MR 16*	Overlap	Black with White Flange
PA3M167EWL	(3) 75W MR 16*	Overlap	White with White Flange
PA3M167EBTL	(3) 75W MR 16*	Trimless	Black
PA3M167EWTL	(3) 75W MR 16*	Trimless	White

Add a "1" for 120v or "2" for 277v at the end of the catalog number for voltage

\*50W max. lamping when using accessories

## Features

- Aperture Frame:** Provides clean support for lamp holders and overlapping flange or trimless installation. Extruded aluminum. Rigidly welded together on all corners.
- Media Cartridge:** Allows convenient loading and removal of up to two accessories (including lamp cover glass; lamp cover glass may be replaced with solid glass accessory). Easily installed and removed for lamping with a simple twisting motion. Constructed of diecast aluminum.
- Cross Blade Louver:** Extruded aluminum. 1" deep, provides additional shielding and can be easily removed.
- Adjustable Ring:** Allows 360° horizontal and 35° (on width) and 45° (on length) vertical adjustment.
- Tortionite Spring:** For easy installation of aperture frame.
- Housing:** Die formed 22 ga. steel. Finish: Black.
- Mounting Brackets:** Adjustable vertically from outside of housing.
- Thermal Protector:** Meets NEC, UL, and CSA requirements.
- Lampholder:** Steatite for GX/GY 5.3 Bi-Pin lamps. 250° C Teflon® leads.
- Junction Box:** 14 ga. steel, 4 x 3 1/2 x 2" box. Allows inspection from below.
- Lamp and Accessory Support:** .032" steel, flared for easy entry of Media Cartridge.
- Lens Retaining Ring:** .093" spring steel rod. Holds accessories in place.
- Lamp Guard:** Heat resistant clear glass. Lamp manufacturers requirement.
- Transformer Housing:** Die formed 18 ga. steel.

## Electrical

**Electronic Transformers:** Offer reliable operation and are accessible from below for servicing. 12V Secondary 75 VA. each lamp.

**Dimming Controls:** Use only dimmers specifically designed for use with electronic transformers. Low Voltage fixtures may produce audible sound when used with dimmers, which may be objectionable in acoustically critical areas.

UL/cUL listed for through branch circuit wiring with maximum of (8) no. 12 AWG, 90°C.

## Finish

All painted finishes are powder coated baked enamel.

## Options & Accessories

**Accessories:** 2 1/2" dia. series, filters, lenses, screens, and louvers. (2) accessories maximum, including lamp cover glass. Lamp guard glass may be replaced with solid glass accessory.

## Labels

UL/cUL (Suitable for Damp Location), I B E W

Teflon® is a registered trademark of E.I. DuPont.

US Patent Pending

Job Information	Type:
Job Name:	
Cat. No.:	
Lamp(s):	
Notes:	

## Electrical (continued)

Lightolier a Genlyte company

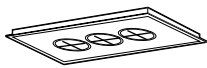
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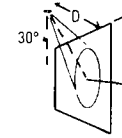
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LIGHTOLIER®



## Lighting Performance Data

Narrow																									
42W MR16 VNSP (EZY)				42W MR16 NSP (EYR)				42W MR16 SP (EYS)				50W MR16 NSP (EXT)				75W MR16 NSP (EYF)									
FOOTCANDLES (On Beam Center At 6')				333				197				78				254				319					
BEAM SPREAD (To 50% Max. CP)				7° x 9°				11.5°				20°				11° x 13°				14° x 15°					
MAX. CANDLEPOWER (Candelas)				12,000				7,076				2,800				9,150				11,500					
RATED LIFE (Hours)				3,000				3,000				3,000				3,000				3,500					
COLOR TEMPERATURE				3,000°K				3,000°K				3,000°K				3,025°K				3,025°K					
0° AIMING ANGLE Illumination on Horizontal Plane																									
30° AIMING ANGLE Illumination on Horizontal Plane																									
30° AIMING ANGLE Illumination on Vertical Plane																									
45° AIMING ANGLE Illumination on Vertical or (Horizontal) Plane																									
				D FC L W				D FC L W				D FC L W				D FC L W				D FC L W					
				8' 188 1.0' 1.3'				7' 144 1.4' 1.4'				4' 175 1.4' 1.4'				7' 187 1.3' 1.6'				8' 180 2.0' 2.1'					
				12' 83 1.5' 1.9'				10' 71 2.0' 2.0'				6' 78 2.1' 2.1'				10' 92 1.9' 2.3'				12' 80 2.9' 3.2'					
				16' 47 2.0' 2.5'				13' 42 2.6' 2.6'				8' 44 2.8' 2.8'				13' 54 2.5' 3.0'				16' 45 3.9' 4.2'					
				20' 30 2.5' 3.1'				16' 38 3.2' 3.2'				10' 28 3.5' 3.5'				16' 35 3.1' 3.6'				20' 25 4.9' 5.3'					
				D FC L W				D FC L W				D FC L W				D FC L W				D FC L W					
				7' 159 1.1' 1.3'				6' 128 1.6' 1.4'				3' 202 1.4' 1.2'				6' 165 1.5' 1.6'				7' 152 2.3' 2.1'					
				10' 77 1.6' 1.8'				9' 57 2.4' 2.1'				5' 73 2.4' 2.0'				9' 73 2.3' 2.4'				10' 75 3.3' 3.0'					
				13' 46 2.1' 2.4'				12' 32 3.2' 2.8'				7' 37 3.3' 2.9'				12' 41 3.1' 3.2'				13' 44 4.3' 4.0'					
				16' 30 2.6' 2.9'				15' 20 4.0' 3.5'				9' 22 4.3' 3.7'				15' 26 3.9' 3.9'				16' 29 5.3' 4.9'					
				D FC L W				D FC L W				D FC L W				D FC L W				D FC L W					
				3' 167 1.5' 0.9'				2' 221 1.7' 0.8'				1' 350 1.6' 0.7'				2' 286 1.6' 0.9'				3' 160 3.1' 1.6'					
				4' 94 2.0' 1.3'				3' 98 2.5' 1.2'				2' 88 3.1' 1.4'				3' 127 2.4' 1.4'				4' 90 4.1' 2.0'					
				5' 60 2.5' 1.6'				4' 55 3.3' 1.6'				3' 39 4.7' 2.1'				4' 71 3.2' 1.8'				5' 58 5.1' 2.6'					
				6' 41 3.0' 1.9'				5' 35 4.2' 2.0'				4' 22 6.2' 2.8'				5' 46 4.0' 2.3'				6' 40 6.2' 3.2'					
				D FC L W				D FC L W				D FC L W				D FC L W				D FC L W					
				5' 170 1.2' 1.1'				4' 156 1.6' 1.1'				3' 110 2.2' 1.5'				4' 202 1.6' 1.3'				5' 163 2.5' 1.9'					
				7' 87 1.7' 1.6'				6' 69 2.4' 1.7'				4' 62 2.9' 2.0'				6' 90 3.2' 1.9'				7' 83 3.5' 2.6'					
				9' 52 2.2' 2.0'				8' 39 3.3' 2.3'				5' 40 3.6' 2.5'				8' 51 3.1' 2.6'				9' 50 4.5' 3.4'					
				11' 35 2.7' 2.4'				10' 25 4.1' 2.8'				6' 27 4.4' 3.0'				10' 32 3.9' 3.2'				11' 34 5.5' 4.1'					
Medium													Wide												
50W MR16 NFL (EX2)				75W MR16 NFL (EYJ)				42W MR16 FL (EYP)				50W MR16 FL (EXN)				75W MR16 FL (EYC)									
FOOTCANDLES (On Beam Center At 6')				83				128				28				42				56					
BEAM SPREAD (To 50% Max. CP)				22° x 27°				25°				36°				37° x 39°				38° x 40°					
MAX. CANDLEPOWER (Candelas)				3,000				4,600				991				1,500				2,000					
RATED LIFE (Hours)				3,000				3,500				3,000				3,000				3,500					
COLOR TEMPERATURE				3,025°K				3,050°K				3,050°K				3,050°K				3,500°K					
0° AIMING ANGLE Illumination on Horizontal Plane																									
30° AIMING ANGLE Illumination on Horizontal Plane																									
30° AIMING ANGLE Illumination on Vertical Plane																									
45° AIMING ANGLE Illumination on Vertical or (Horizontal) Plane																									
				D FC L W				D FC L W				D FC L W				D FC L W				D FC L W					
				6' 83 2.3' 2.9'				6' 128 2.7' 2.7'				3' 110 1.9' 1.9'				4' 94 2.7' 2.8'				4' 125 2.8' 2.9'					
				8' 47 3.1' 3.8'				8' 72 3.5' 3.5'				5' 40 3.2' 3.2'				6' 42 4.0' 4.2'				6' 56 4.1' 4.4'					
				10' 30 3.9' 4.8'				10' 46 4.4' 4.4'				7' 20 4.5' 4.5'				8' 23 5.4' 5.7'				8' 31 5.5' 5.8'					
				12' 21 4.7' 5.8'				12' 32 5.3' 5.3'				9' 12 5.8' 5.8'				10' 15 6.7' 7.1'				10' 20 6.9' 7.3'					
				D FC L W				D FC L W				D FC L W				D FC L W				D FC L W					
				4' 122 2.1' 2.2'				5' 120 3.0' 2.6'				3' 72 2.7' 2.3'				3' 108 2.8' 2.5'				3' 144 2.9' 2.5'					
				6' 54 3.1' 3.3'				7' 61 4.2' 3.6'				5' 26 4.5' 3.8'				5' 39 4.6' 4.1'				5' 52 4.8' 4.2'					
				8' 30 4.2' 4.4'				9' 37 5.4' 4.6'				7' 13 6.3' 5.3'				7' 20 6.5' 5.7'				7' 27 6.7' 5.9'					
				10' 19 5.2' 5.5'				11' 25 6.6' 5.6'				9' 8 8.1' 6.8'				9' 12 8.3' 7.4'				9' 16 8.6' 7.6'					
				D FC L W				D FC L W				D FC L W				D FC L W				D FC L W					
				2' 94 3.5' 1.9'				2' 144 4.2' 1.8'				1' 124 3.8' 1.3'				1' 188 4.0' 1.4'				1' 250 4.3' 1.5'					
				3' 42 5.3' 2.9'				3' 64 6.2' 2.7'				2' 31 7.6' 2.6'				2' 47 8.1' 2.8'				2' 63 8.6' 2.9'					
				4' 23 7.0' 3.8'				4' 36 8.3' 3.5'				3' 14 11.4' 3.9'				3' 21 12.1' 4.2'				3' 28 12.8' 4.4'					
				5' 15 8.8' 4.8'				5' 23 10.4' 4.4'				4' 8 15.2' 5.2'				4' 12 16.1' 5.7'				4' 16 17.1' 5.8'					
				D FC L W				D FC L W				D FC L W				D FC L W				D FC L W					
				3' 118 2.4' 2.0'				3' 181 2.1' 1.9'				2' 88 2.9' 1.8'				2' 133 3.0' 2.0'				2' 79 4.7' 3.1'					
				5' 42 4.0' 3.4'				5' 65 4.7' 2.1'				3' 39 4.4' 2.8'				3' 59 4.5' 3.0'				3' 44 6.3' 4.1'					
				7' 22 5.7' 4.8'				7' 33 6.5' 4.4'				4' 22 5.8' 3.7'				4' 33 6.0' 4.0'				4' 28 7.8' 5.1'					
				9' 13 7.3' 6.1'				9' 20 8.4' 5.6'				5' 14 7.3' 4.6'				5' 21 7.5' 5.0'				5' 20 9.4' 6.2'					



### Beam Center Location

Distance D (ft.)	1	2	3	4	5
Distance C (ft.)	1.7	3.5	5.2	6.9	8.7
Distance D (ft.)	6	7	8	9	10
Distance C (ft.)	10.4	12.1	13.8	15.6	17.3

This chart locates the distance (C) to the center of the light beam for various distances (D) when the lamp is aimed 30° from vertical, the preferred aiming angle for lighting pictures on a wall.

Data are based on bare lamp photometrics. Dashed lines in beam spreads indicate narrow axes of oval shaped beams.  
**FC** is initial footcandles at center of beam.  
**L** and **W** are to the point that the candlepower drops 50% of maximum.

### Job Information

### Type:

Lightolier a Genlyte company

www.lightolier.com

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